PROYECTO MINA DE COBRE PANAMA

ESTUDIO DE IMPACTO AMBIENTAL (EsIA)
CATEGORIA III

INFORME MENSUAL DE PRECIPITACIÓN

Documento No.
1810-013

Compromisos de EsIA Aplicables	Informe N°	Periodo reportado	Elaborado por	Fecha de Emisión del Reporte
13189	1810	Octubre 2018	Water & Earth Technologies	01/11/2018

PRECIPITATION REPORT

Station Number: 40085 Name: Valle Grande Vivero

LOCATION.-- Lat 8°49'23.23"N Long 80°39'44.32"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 10/16/2017-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 233.00mm on 01/05/2018

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2018 TO DECEMBER 2018

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	78.00	22.00	0.00	0.00	1.00	0.00	29.00	8.00	14.00	27.00	---	---
2	61.00	0.00	1.00	2.00	17.00	0.00	40.00	35.00	7.00	8.00	---	---
3	27.00	10.00	7.00	0.00	22.00	0.00	13.00	3.00	6.00	0.00	---	---
4	177.00	0.00	10.00	0.00	82.00	7.00	36.00	0.00	4.00	0.00	---	---
5	233.00	20.00	1.00	0.00	0.00	14.00	18.00	14.00	0.00	0.00	---	---
6	99.00	6.00	1.00	2.00	0.00	9.00	38.00	12.00	2.00	0.00	---	---
7	158.00	31.00	0.00	3.00	0.00	4.00	20.00	0.00	2.00	0.00	---	---
8	6.00	13.00	6.00	0.00	3.00	3.00	7.00	7.00	13.00	0.00	---	---
9	31.00	5.00	32.00	4.00	0.00	46.00	15.00	15.00	57.00	6.00	---	---
10	2.00	36.00	46.00	11.00	4.00	17.00	15.00	0.00	0.00	0.00	---	---
11	0.00	6.00	0.00	2.00	0.00	13.00	1.00	2.00	0.00	10.00	---	---
12	0.00	4.00	0.00	16.00	12.00	1.00	0.00	0.00	8.00	27.00	---	---
13	19.00	0.00	1.00	39.00	3.00	0.00	20.00	1.00	0.00	56.00	---	---
14	55.00	10.00	2.00	8.00	0.00	0.00	16.00	3.00	1.00	11.00	---	---
15	60.00	7.00	2.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	---	---
16	11.00	1.00	6.00	3.00	0.00	1.00	70.00	0.00	0.00	1.00	---	---
17	83.00	4.00	6.00	18.00	0.00	0.00	4.00	0.00	2.00	1.00	---	---
18	77.00	7.00	26.00	18.00	1.00	0.00	20.00	43.00	1.00	38.00	---	---
19	23.00	4.00	0.00	6.00	0.00	31.00	1.00	3.00	21.00	20.00	---	---
20	31.00	6.00	1.00	10.00	2.00	44.00	35.00	0.00	1.00	6.00	---	---
21	2.00	3.00	5.00	40.00	13.00	0.00	1.00	1.00	0.00	40.00	---	---
22	6.00	1.00	0.00	12.00	8.00	4.00	54.00	5.00	0.00	9.00	---	---
23	5.00	6.00	80.00	7.00	91.00	1.00	6.00	7.00	0.00	0.00	---	---
24	11.00	5.00	175.00	69.00	6.00	0.00	24.00	0.00	27.00	16.00	---	---
25	40.00	3.00	6.00	53.00	9.00	2.00	34.00	0.00	0.00	1.00	---	---
26	28.00	5.00	6.00	65.00	17.00	5.00	10.00	22.00	7.00	10.00	---	---
27	14.00	11.00	24.00	42.00	4.00	1.00	3.00	2.00	28.00	82.00	---	---
28	15.00	19.00	7.00	0.00	4.00	3.00	7.00	2.00	17.00	2.00	---	---
29	4.00	---	15.00	0.00	0.00	12.00	0.00	19.00	0.00	52.00	---	---
30	8.00	---	6.00	58.00	1.00	3.00	1.00	1.00	4.00	8.00	---	---
31	18.00	---	0.00	---	0.00	---	0.00	0.00	---	0.00	---	---
TOTAL	1382.00	245.00	472.00	488.00	300.00	221.00	542.00	205.00	222.00	431.00	---	---
MEAN	44.58	8.75	15.23	16.27	9.68	7.37	17.48	6.61	7.40	13.90	---	---
MAX	233.00	36.00	175.00	69.00	91.00	46.00	70.00	43.00	57.00	82.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40100 Name: Rio Botija

LOCATION.-- Lat 8°50'9.76"N Long 80°37'3.88"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- 17.79 sq km.

PERIOD OF RECORD.-- 04/01/2012-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 250.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2018 TO DECEMBER 2018

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	54.00	6.00	0.00	0.00	1.00	40.00	25.00	7.00	40.00	27.00	---	---
2	58.00	0.00	0.00	0.00	33.00	0.00	32.00	17.00	1.00	6.00	---	---
3	23.00	7.00	7.00	0.00	11.00	2.00	17.00	7.00	18.00	16.00	---	---
4	155.00	3.00	10.00	2.00	59.00	7.00	13.00	1.00	13.00	0.00	---	---
5	217.00	16.00	9.00	0.00	1.00	11.00	31.00	1.00	0.00	0.00	---	---
6	72.00	14.00	0.00	27.00	0.00	27.00	29.00	13.00	3.00	0.00	---	---
7	120.00	18.00	0.00	2.00	0.00	2.00	39.00	0.00	2.00	0.00	---	---
8	5.00	18.00	13.00	0.00	5.00	2.00	18.00	8.00	15.00	0.00	---	---
9	16.00	4.00	32.00	0.00	0.00	29.00	16.00	25.00	18.00	38.00	---	---
10	2.00	25.00	35.00	4.00	0.00	14.00	20.00	1.00	0.00	0.00	---	---
11	0.00	7.00	1.00	12.00	9.00	40.00	0.00	3.00	3.00	13.00	---	---
12	0.00	2.00	0.00	30.00	6.00	1.00	0.00	0.00	7.00	17.00	---	---
13	13.00	0.00	1.00	40.00	8.00	0.00	22.00	2.00	0.00	69.00	---	---
14	27.00	2.00	1.00	6.00	7.00	1.00	11.00	2.00	1.00	15.00	---	---
15	42.00	5.00	3.00	0.00	8.00	0.00	6.00	1.00	0.00	0.00	---	---
16	7.00	2.00	6.00	2.00	17.00	0.00	65.00	0.00	0.00	0.00	---	---
17	93.00	0.00	9.00	11.00	3.00	0.00	0.00	0.00	2.00	5.00	---	---
18	66.00	7.00	32.00	33.00	80.00	1.00	4.00	35.00	0.00	33.00	---	---
19	18.00	1.00	0.00	27.00	3.00	5.00	1.00	4.00	40.00	5.00	---	---
20	30.00	2.00	1.00	5.00	2.00	17.00	39.00	0.00	2.00	6.00	---	---
21	1.00	2.00	1.00	62.00	5.00	3.00	0.00	0.00	0.00	42.00	---	---
22	6.00	0.00	0.00	13.00	58.00	3.00	59.00	3.00	0.00	5.00	---	---
23	1.00	6.00	60.00	18.00	3.00	1.00	10.00	10.00	0.00	0.00	---	---
24	10.00	9.00	138.00	78.00	2.00	0.00	15.00	1.00	33.00	11.00	---	---
25	23.00	7.00	5.00	18.00	38.00	3.00	38.00	0.00	0.00	1.00	---	---
26	34.00	8.00	34.00	98.00	0.00	6.00	13.00	13.00	11.00	26.00	---	---
27	16.00	11.00	18.00	27.00	20.00	3.00	3.00	0.00	36.00	67.00	---	---
28	20.00	30.00	2.00	0.00	0.00	2.00	5.00	4.00	23.00	3.00	---	---
29	0.00	---	10.00	0.00	4.00	8.00	1.00	39.00	0.00	26.00	---	---
30	4.00	---	1.00	55.00	0.00	1.00	3.00	5.00	0.00	10.00	---	---
31	9.00	---	1.00	---	31.00	---	0.00	0.00	---	1.00	---	---
TOTAL	1142.00	212.00	430.00	570.00	414.00	229.00	535.00	202.00	268.00	442.00	---	---
MEAN	36.84	7.57	13.87	19.00	13.35	7.63	17.26	6.52	8.93	14.26	---	---
MAX	217.00	30.00	138.00	98.00	80.00	40.00	65.00	39.00	40.00	69.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40140 Name: W-46

LOCATION.-- Lat 8°57'17.57"N Long 80°40'17.35"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 01/24/2013-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 302.00mm on 01/04/2018

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2018 TO DECEMBER 2018

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	116.00	7.00	4.00	0.00	0.00	12.00	11.00	10.00	2.00	19.00	---	---
2	95.00	3.00	5.00	2.00	36.00	19.00	111.00	13.00	0.00	9.00	---	---
3	71.00	7.00	7.00	0.00	40.00	2.00	18.00	6.00	7.00	5.00	---	---
4	302.00	0.00	19.00	0.00	116.00	58.00	3.00	1.00	6.00	0.00	---	---
5	184.00	9.00	3.00	0.00	2.00	61.00	78.00	19.00	1.00	0.00	---	---
6	168.00	7.00	0.00	1.00	0.00	41.00	10.00	52.00	0.00	0.00	---	---
7	262.00	5.00	2.00	2.00	0.00	1.00	92.00	9.00	3.00	0.00	---	---
8	15.00	15.00	21.00	0.00	10.00	7.00	33.00	16.00	14.00	0.00	---	---
9	17.00	8.00	15.00	1.00	0.00	66.00	24.00	37.00	8.00	0.00	---	---
10	2.00	33.00	18.00	15.00	0.00	15.00	67.00	19.00	0.00	0.00	---	---
11	4.00	9.00	0.00	21.00	0.00	8.00	3.00	10.00	0.00	2.00	---	---
12	5.00	13.00	0.00	54.00	2.00	3.00	1.00	3.00	7.00	2.00	---	---
13	23.00	1.00	2.00	75.00	25.00	3.00	60.00	43.00	0.00	10.00	---	---
14	29.00	5.00	1.00	27.00	0.00	0.00	26.00	74.00	1.00	2.00	---	---
15	77.00	5.00	1.00	0.00	0.00	0.00	16.00	1.00	0.00	1.00	---	---
16	28.00	4.00	14.00	25.00	0.00	8.00	41.00	0.00	0.00	0.00	---	---
17	129.00	1.00	19.00	8.00	1.00	1.00	5.00	0.00	1.00	1.00	---	---
18	87.00	11.00	64.00	27.00	1.00	10.00	7.00	47.00	1.00	17.00	---	---
19	31.00	5.00	0.00	25.00	4.00	8.00	17.00	1.00	48.00	16.00	---	---
20	65.00	22.00	2.00	27.00	13.00	1.00	117.00	0.00	0.00	26.00	---	---
21	1.00	2.00	12.00	55.00	39.00	4.00	6.00	25.00	8.00	90.00	---	---
22	19.00	2.00	0.00	20.00	13.00	0.00	54.00	50.00	3.00	27.00	---	---
23	1.00	6.00	40.00	23.00	3.00	4.00	16.00	7.00	4.00	2.00	---	---
24	15.00	23.00	81.00	52.00	0.00	8.00	24.00	0.00	36.00	9.00	---	---
25	33.00	15.00	8.00	63.00	1.00	31.00	87.00	0.00	0.00	4.00	---	---
26	20.00	21.00	12.00	127.00	6.00	3.00	44.00	15.00	15.00	13.00	---	---
27	5.00	11.00	20.00	47.00	1.00	7.00	11.00	1.00	7.00	60.00	---	---
28	27.00	22.00	5.00	0.00	4.00	7.00	23.00	3.00	20.00	8.00	---	---
29	4.00	---	23.00	0.00	8.00	28.00	1.00	60.00	1.00	28.00	---	---
30	9.00	---	3.00	62.00	3.00	47.00	19.00	16.00	4.00	3.00	---	---
31	8.00	---	0.00	---	41.00	---	1.00	0.00	---	4.00	---	---
TOTAL	1852.00	272.00	401.00	759.00	369.00	463.00	1026.00	538.00	197.00	358.00	---	---
MEAN	59.74	9.71	12.94	25.30	11.90	15.43	33.10	17.35	6.57	11.55	---	---
MAX	302.00	33.00	81.00	127.00	116.00	66.00	117.00	74.00	48.00	90.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40160 Name: Punta Rincón

LOCATION.-- Lat 9°0'16.2"N Long 80°41'53.8"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 09/18/2013-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 338.00mm on 01/04/2018

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2018 TO DECEMBER 2018

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	41.00	5.00	2.00	0.00	0.00	34.00	5.00	13.00	0.00	53.00	---	---
2	75.00	0.00	13.00	---	42.00	16.00	44.00	16.00	1.00	13.00	---	---
3	61.00	4.00	8.00	---	24.00	4.00	8.00	10.00	0.00	5.00	---	---
4	338.00	0.00	11.00	---	115.00	103.00	0.00	1.00	26.00	0.00	---	---
5	106.00	18.00	4.00	---	6.00	162.00	46.00	6.00	0.00	0.00	---	---
6	229.00	1.00	0.00	---	0.00	43.00	21.00	55.00	11.00	0.00	---	---
7	213.00	1.00	0.00	---	0.00	16.00	60.00	15.00	2.00	0.00	---	---
8	28.00	19.00	31.00	---	15.00	21.00	42.00	17.00	14.00	0.00	---	---
9	28.00	7.00	14.00	0.00	0.00	81.00	33.00	21.00	11.00	0.00	---	---
10	1.00	15.00	12.00	10.00	0.00	14.00	69.00	13.00	0.00	0.00	---	---
11	0.00	28.00	0.00	8.00	9.00	17.00	4.00	46.00	1.00	1.00	---	---
12	0.00	13.00	0.00	21.00	6.00	0.00	1.00	6.00	12.00	2.00	---	---
13	17.00	3.00	6.00	54.00	21.00	2.00	122.00	55.00	0.00	5.00	---	---
14	8.00	4.00	1.00	31.00	0.00	1.00	7.00	82.00	0.00	0.00	---	---
15	59.00	3.00	1.00	0.00	0.00	0.00	12.00	2.00	3.00	21.00	---	---
16	15.00	1.00	4.00	43.00	0.00	10.00	10.00	0.00	1.00	0.00	---	---
17	166.00	2.00	20.00	8.00	0.00	3.00	7.00	13.00	0.00	0.00	---	---
18	70.00	4.00	10.00	8.00	0.00	14.00	11.00	12.00	10.00	20.00	---	---
19	39.00	2.00	51.00	11.00	0.00	17.00	2.00	5.00	94.00	12.00	---	---
20	17.00	23.00	6.00	5.00	6.00	1.00	58.00	0.00	0.00	2.00	---	---
21	0.00	5.00	6.00	53.00	29.00	1.00	6.00	17.00	3.00	132.00	---	---
22	15.00	0.00	2.00	46.00	51.00	1.00	34.00	20.00	2.00	32.00	---	---
23	1.00	1.00	24.00	40.00	2.00	4.00	19.00	84.00	10.00	11.00	---	---
24	4.00	23.00	27.00	59.00	0.00	2.00	46.00	1.00	39.00	7.00	---	---
25	14.00	44.00	8.00	62.00	1.00	36.00	76.00	0.00	0.00	1.00	---	---
26	14.00	7.00	6.00	150.00	8.00	2.00	25.00	60.00	39.00	6.00	---	---
27	2.00	19.00	9.00	60.00	1.00	11.00	3.00	3.00	2.00	55.00	---	---
28	19.00	33.00	1.00	0.00	1.00	10.00	10.00	7.00	3.00	33.00	---	---
29	6.00	---	48.00	0.00	6.00	94.00	1.00	78.00	1.00	4.00	---	---
30	2.00	---	0.00	46.00	0.00	50.00	27.00	20.00	40.00	14.00	---	---
31	7.00	---	0.00	---	69.00	---	0.00	0.00	---	8.00	---	---
TOTAL	1595.00	285.00	325.00	715.00	412.00	770.00	809.00	678.00	325.00	437.00	---	---
MEAN	51.45	10.18	10.48	23.83	13.29	25.67	26.10	21.87	10.83	14.10	---	---
MAX	338.00	44.00	51.00	150.00	115.00	162.00	122.00	84.00	94.00	132.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40180 Name: Botija Laydown

LOCATION.-- Lat 8.848496 N Long 80.644634 W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 03/14/2014-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 257.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2018 TO DECEMBER 2018

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	78.00	16.00	1.00	---	---	---	38.00	3.00	29.00	27.00	---	---
2	72.00	1.00	1.00	---	---	---	51.00	13.00	1.00	8.00	---	---
3	25.00	10.00	19.00	---	---	---	24.00	6.00	9.00	0.00	---	---
4	167.00	0.00	16.00	---	---	---	19.00	0.00	6.00	0.00	---	---
5	208.00	9.00	3.00	---	---	---	27.00	17.00	0.00	0.00	---	---
6	---	10.00	0.00	---	---	---	45.00	15.00	3.00	0.00	---	---
7	---	30.00	0.00	---	---	---	52.00	0.00	1.00	0.00	---	---
8	---	19.00	9.00	---	---	---	9.00	7.00	7.00	0.00	---	---
9	---	1.00	27.00	---	---	---	22.00	26.00	45.00	24.00	---	---
10	---	34.00	47.00	---	---	---	14.00	0.00	0.00	0.00	---	---
11	---	12.00	0.00	---	---	---	1.00	1.00	4.00	9.00	---	---
12	0.00	10.00	0.00	---	---	---	0.00	1.00	5.00	50.00	---	---
13	8.00	0.00	1.00	---	---	---	18.00	3.00	0.00	59.00	---	---
14	34.00	6.00	0.00	---	---	---	12.00	4.00	0.00	15.00	---	---
15	56.00	5.00	5.00	---	---	---	3.00	0.00	1.00	2.00	---	---
16	7.00	1.00	9.00	---	---	---	65.00	0.00	0.00	0.00	---	---
17	91.00	4.00	8.00	---	---	---	0.00	0.00	2.00	4.00	---	---
18	92.00	5.00	28.00	---	---	---	8.00	43.00	1.00	46.00	---	---
19	16.00	---	0.00	---	---	---	2.00	4.00	34.00	16.00	---	---
20	49.00	---	1.00	---	---	---	39.00	0.00	3.00	9.00	---	---
21	3.00	---	3.00	---	---	0.00	0.00	1.00	0.00	56.00	---	---
22	6.00	---	0.00	---	---	3.00	65.00	11.00	0.00	14.00	---	---
23	1.00	---	---	---	---	1.00	6.00	14.00	1.00	1.00	---	---
24	26.00	---	---	---	---	0.00	13.00	0.00	20.00	7.00	---	---
25	35.00	---	---	---	---	4.00	33.00	0.00	0.00	1.00	---	---
26	38.00	---	---	---	---	4.00	18.00	17.00	5.00	11.00	---	---
27	15.00	5.00	---	---	---	2.00	3.00	0.00	63.00	77.00	---	---
28	16.00	32.00	---	---	---	2.00	5.00	1.00	32.00	2.00	---	---
29	3.00	---	---	---	---	11.00	1.00	33.00	0.00	51.00	---	---
30	7.00	---	---	---	---	4.00	1.00	1.00	1.00	11.00	---	---
31	28.00	---	---	---	---	---	0.00	0.00	---	0.00	---	---
TOTAL	1081.00	210.00	178.00	---	---	31.00	594.00	221.00	273.00	500.00	---	---
MEAN	34.87	7.50	8.09	---	---	1.03	19.16	7.13	9.10	16.13	---	---
MAX	208.00	34.00	47.00	---	---	11.00	65.00	43.00	63.00	77.00	---	---
MIN	0	0	0	---	---	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40500 Name: Rio Petaquilla

LOCATION.-- Lat 8°50'22.31"N Long 80°41'56.11"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- 10.98 sq km.

PERIOD OF RECORD.-- 04/01/2012-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 231.00mm on 11/18/2012

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2018 TO DECEMBER 2018

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.00	3.00	16.00	0.00	0.00	6.00	29.00	9.00	6.00	26.00	---	---
2	3.00	8.00	3.00	0.00	20.00	0.00	53.00	22.00	3.00	35.00	---	---
3	2.00	9.00	9.00	0.00	26.00	1.00	43.00	0.00	5.00	2.00	---	---
4	6.00	8.00	13.00	3.00	104.00	10.00	33.00	0.00	6.00	0.00	---	---
5	9.00	21.00	4.00	0.00	2.00	30.00	28.00	19.00	1.00	0.00	---	---
6	3.00	5.00	2.00	44.00	0.00	11.00	58.00	25.00	0.00	0.00	---	---
7	9.00	3.00	0.00	1.00	0.00	1.00	21.00	0.00	9.00	0.00	---	---
8	0.00	4.00	7.00	0.00	1.00	3.00	18.00	5.00	6.00	0.00	---	---
9	4.00	5.00	11.00	0.00	0.00	36.00	14.00	10.00	35.00	0.00	---	---
10	0.00	8.00	90.00	10.00	27.00	20.00	27.00	1.00	0.00	0.00	---	---
11	1.00	6.00	0.00	4.00	0.00	13.00	2.00	4.00	1.00	14.00	---	---
12	0.00	7.00	0.00	25.00	18.00	0.00	0.00	1.00	16.00	37.00	---	---
13	1.00	33.00	4.00	77.00	7.00	1.00	24.00	2.00	0.00	17.00	---	---
14	3.00	7.00	0.00	11.00	3.00	0.00	24.00	4.00	5.00	52.00	---	---
15	3.00	7.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	4.00	---	---
16	0.00	10.00	0.00	9.00	15.00	0.00	70.00	0.00	0.00	1.00	---	---
17	2.00	5.00	0.00	19.00	2.00	0.00	4.00	0.00	16.00	3.00	---	---
18	3.00	9.00	4.00	20.00	10.00	4.00	4.00	71.00	1.00	30.00	---	---
19	1.00	13.00	17.00	35.00	9.00	5.00	1.00	2.00	20.00	21.00	---	---
20	2.00	17.00	4.00	16.00	1.00	6.00	58.00	0.00	1.00	10.00	---	---
21	2.00	10.00	1.00	22.00	46.00	0.00	5.00	1.00	1.00	63.00	---	---
22	1.00	1.00	0.00	15.00	18.00	7.00	69.00	16.00	0.00	19.00	---	---
23	1.00	8.00	5.00	22.00	28.00	2.00	0.00	6.00	4.00	0.00	---	---
24	1.00	12.00	23.00	47.00	0.00	1.00	46.00	0.00	34.00	3.00	---	---
25	4.00	8.00	13.00	75.00	37.00	11.00	29.00	0.00	0.00	1.00	---	---
26	5.00	9.00	4.00	50.00	1.00	2.00	23.00	23.00	3.00	5.00	---	---
27	4.00	25.00	3.00	27.00	4.00	1.00	5.00	0.00	37.00	91.00	---	---
28	4.00	19.00	2.00	1.00	0.00	3.00	6.00	2.00	9.00	6.00	---	---
29	3.00	---	2.00	0.00	38.00	15.00	1.00	45.00	0.00	62.00	---	---
30	4.00	---	1.00	54.00	0.00	7.00	2.00	8.00	3.00	11.00	---	---
31	4.00	---	56.00	---	32.00	---	1.00	0.00	---	1.00	---	---
TOTAL	89.00	280.00	294.00	587.00	449.00	196.00	705.00	276.00	222.00	514.00	---	---
MEAN	2.87	10.00	9.48	19.57	14.48	6.53	22.74	8.90	7.40	16.58	---	---
MAX	9.00	33.00	90.00	77.00	104.00	36.00	70.00	71.00	37.00	91.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40550 Name: Poza-4 TMF

LOCATION.-- Lat 8.899354 N Long 80.672072 W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 11/17/2015-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 238.00mm on 01/07/2018

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2018 TO DECEMBER 2018

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	110.00	9.00	1.00	0.00	0.00	13.00	13.00	1.00	6.00	24.00	---	---
2	89.00	0.00	2.00	1.00	27.00	5.00	103.00	21.00	0.00	16.00	---	---
3	53.00	9.00	12.00	0.00	36.00	38.00	28.00	1.00	5.00	3.00	---	---
4	225.00	0.00	18.00	0.00	100.00	26.00	15.00	0.00	2.00	0.00	---	---
5	181.00	11.00	4.00	0.00	1.00	45.00	61.00	10.00	0.00	0.00	---	---
6	154.00	5.00	0.00	1.00	0.00	63.00	44.00	31.00	3.00	0.00	---	---
7	238.00	31.00	0.00	1.00	0.00	1.00	38.00	2.00	12.00	0.00	---	---
8	12.00	20.00	18.00	0.00	8.00	4.00	34.00	11.00	11.00	0.00	---	---
9	29.00	23.00	32.00	0.00	0.00	52.00	22.00	11.00	21.00	19.00	---	---
10	1.00	43.00	31.00	20.00	0.00	16.00	50.00	5.00	1.00	0.00	---	---
11	0.00	11.00	0.00	13.00	0.00	36.00	2.00	3.00	0.00	5.00	---	---
12	0.00	8.00	0.00	44.00	2.00	0.00	0.00	2.00	10.00	8.00	---	---
13	14.00	1.00	0.00	77.00	8.00	0.00	68.00	18.00	0.00	10.00	---	---
14	49.00	7.00	0.00	19.00	1.00	4.00	22.00	11.00	0.00	56.00	---	---
15	78.00	6.00	2.00	0.00	0.00	1.00	2.00	0.00	1.00	1.00	---	---
16	15.00	4.00	13.00	13.00	12.00	5.00	66.00	0.00	0.00	0.00	---	---
17	167.00	1.00	15.00	17.00	2.00	0.00	3.00	0.00	3.00	2.00	---	---
18	94.00	11.00	37.00	19.00	1.00	5.00	12.00	62.00	1.00	22.00	---	---
19	22.00	7.00	0.00	11.00	18.00	6.00	3.00	7.00	30.00	40.00	---	---
20	101.00	15.00	4.00	30.00	43.00	4.00	79.00	0.00	1.00	9.00	---	---
21	1.00	1.00	7.00	44.00	41.00	2.00	2.00	13.00	1.00	77.00	---	---
22	13.00	3.00	0.00	12.00	20.00	13.00	55.00	31.00	0.00	23.00	---	---
23	0.00	17.00	68.00	30.00	26.00	3.00	4.00	5.00	3.00	1.00	---	---
24	11.00	14.00	138.00	75.00	0.00	2.00	11.00	0.00	24.00	6.00	---	---
25	59.00	11.00	7.00	70.00	1.00	19.00	57.00	0.00	0.00	1.00	---	---
26	26.00	11.00	7.00	133.00	27.00	0.00	31.00	8.00	18.00	3.00	---	---
27	11.00	19.00	20.00	22.00	3.00	4.00	2.00	0.00	57.00	85.00	---	---
28	27.00	21.00	3.00	0.00	1.00	2.00	3.00	4.00	10.00	3.00	---	---
29	2.00	---	20.00	0.00	38.00	35.00	0.00	60.00	1.00	92.00	---	---
30	6.00	---	1.00	65.00	3.00	12.00	3.00	13.00	0.00	10.00	---	---
31	8.00	---	0.00	---	24.00	---	0.00	0.00	---	2.00	---	---
TOTAL	1796.00	319.00	460.00	717.00	443.00	416.00	833.00	330.00	221.00	518.00	---	---
MEAN	57.94	11.39	14.84	23.90	14.29	13.87	26.87	10.65	7.37	16.71	---	---
MAX	238.00	43.00	138.00	133.00	100.00	63.00	103.00	62.00	57.00	92.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40650 Name: TMF Wx

LOCATION.-- Lat 8°53'0.18"N Long 80°38'37.20"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 02/13/2014-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 218.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2018 TO DECEMBER 2018

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	88.00	---	2.00	0.00	1.00	0.00	26.00	1.00	6.00	54.00	---	---
2	93.00	---	0.00	3.00	34.00	7.00	72.00	7.00	1.00	9.00	---	---
3	40.00	---	13.00	0.00	26.00	22.00	23.00	0.00	13.00	0.00	---	---
4	185.00	---	12.00	5.00	92.00	23.00	27.00	1.00	9.00	0.00	---	---
5	215.00	---	9.00	1.00	1.00	32.00	35.00	18.00	0.00	0.00	---	---
6	121.00	---	0.00	46.00	---	53.00	41.00	15.00	0.00	0.00	---	---
7	161.00	---	1.00	0.00	---	0.00	43.00	1.00	6.00	0.00	---	---
8	11.00	---	16.00	0.00	3.00	4.00	13.00	13.00	11.00	0.00	---	---
9	13.00	---	27.00	2.00	0.00	35.00	20.00	25.00	27.00	37.00	---	---
10	3.00	---	31.00	15.00	---	15.00	29.00	2.00	0.00	0.00	---	---
11	0.00	---	0.00	16.00	---	22.00	0.00	2.00	1.00	5.00	---	---
12	0.00	---	0.00	42.00	---	0.00	0.00	2.00	3.00	52.00	---	---
13	---	---	0.00	38.00	---	0.00	25.00	7.00	0.00	17.00	---	---
14	---	3.00	0.00	14.00	---	4.00	12.00	6.00	0.00	32.00	---	---
15	---	4.00	1.00	0.00	---	0.00	8.00	0.00	0.00	0.00	---	---
16	---	2.00	8.00	7.00	---	0.00	56.00	0.00	0.00	0.00	---	---
17	---	7.00	15.00	23.00	---	0.00	1.00	0.00	1.00	4.00	---	---
18	---	6.00	36.00	20.00	---	2.00	21.00	34.00	0.00	41.00	---	---
19	---	3.00	0.00	22.00	---	6.00	1.00	7.00	38.00	33.00	---	---
20	---	4.00	2.00	48.00	---	5.00	63.00	0.00	3.00	10.00	---	---
21	---	1.00	2.00	62.00	---	0.00	1.00	12.00	0.00	89.00	---	---
22	---	1.00	0.00	10.00	---	7.00	70.00	7.00	0.00	9.00	---	---
23	---	14.00	53.00	16.00	---	1.00	6.00	11.00	0.00	2.00	---	---
24	---	9.00	156.00	61.00	---	0.00	23.00	0.00	24.00	3.00	---	---
25	---	9.00	3.00	33.00	---	9.00	56.00	0.00	0.00	2.00	---	---
26	---	17.00	33.00	112.00	---	1.00	17.00	4.00	4.00	6.00	---	---
27	---	9.00	22.00	18.00	---	4.00	4.00	0.00	33.00	74.00	---	---
28	---	31.00	4.00	0.00	---	5.00	5.00	0.00	7.00	4.00	---	---
29	---	---	17.00	0.00	---	16.00	0.00	50.00	0.00	44.00	---	---
30	---	---	0.00	44.00	---	10.00	4.00	10.00	1.00	14.00	---	---
31	---	---	0.00	---	---	---	0.00	0.00	---	1.00	---	---
TOTAL	930.00	120.00	463.00	658.00	157.00	283.00	702.00	235.00	188.00	542.00	---	---
MEAN	77.50	4.29	14.94	21.93	17.44	9.43	22.65	7.58	6.27	17.48	---	---
MAX	215.00	31.00	156.00	112.00	92.00	53.00	72.00	50.00	38.00	89.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40700 Name: Caimito Wx

LOCATION.-- Lat 9°1'13.31"N Long 80°41'1.92"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A.

PERIOD OF RECORD.-- 12/07/2011-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 248.00mm on 12/06/2013

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2018 TO DECEMBER 2018

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	3.00	7.00	0.00	0.00	13.00	9.00	8.00	0.00	47.00	---	---
2	---	1.00	6.00	0.00	35.00	---	55.00	14.00	2.00	12.00	---	---
3	---	5.00	10.00	0.00	31.00	---	3.00	10.00	1.00	3.00	---	---
4	---	0.00	9.00	0.00	123.00	---	1.00	1.00	34.00	0.00	---	---
5	---	5.00	7.00	0.00	6.00	---	51.00	4.00	0.00	0.00	---	---
6	---	4.00	0.00	3.00	0.00	---	23.00	74.00	1.00	0.00	---	---
7	---	0.00	0.00	0.00	0.00	---	45.00	26.00	3.00	0.00	---	---
8	---	13.00	21.00	0.00	11.00	---	21.00	14.00	29.00	0.00	---	---
9	---	7.00	4.00	1.00	0.00	---	15.00	18.00	16.00	0.00	---	---
10	---	14.00	3.00	21.00	0.00	---	52.00	24.00	0.00	0.00	---	---
11	---	22.00	0.00	9.00	10.00	---	6.00	19.00	1.00	1.00	---	---
12	0.00	7.00	0.00	15.00	5.00	---	3.00	13.00	26.00	3.00	---	---
13	---	0.00	0.00	45.00	6.00	---	128.00	49.00	0.00	3.00	---	---
14	1.00	4.00	0.00	50.00	0.00	---	5.00	37.00	1.00	0.00	---	---
15	48.00	2.00	1.00	0.00	1.00	---	12.00	6.00	7.00	2.00	---	---
16	7.00	1.00	21.00	37.00	1.00	---	10.00	0.00	4.00	0.00	---	---
17	171.00	1.00	17.00	7.00	0.00	---	6.00	9.00	2.00	1.00	---	---
18	63.00	3.00	66.00	7.00	0.00	---	3.00	7.00	18.00	19.00	---	---
19	39.00	5.00	0.00	14.00	0.00	---	1.00	8.00	92.00	3.00	---	---
20	6.00	17.00	2.00	9.00	5.00	---	46.00	0.00	0.00	5.00	---	---
21	0.00	1.00	7.00	86.00	45.00	---	1.00	16.00	1.00	136.00	---	---
22	13.00	0.00	0.00	7.00	78.00	---	30.00	12.00	0.00	54.00	---	---
23	1.00	5.00	29.00	69.00	1.00	---	6.00	75.00	8.00	11.00	---	---
24	4.00	31.00	33.00	37.00	0.00	---	61.00	3.00	63.00	9.00	---	---
25	13.00	42.00	4.00	76.00	2.00	0.00	92.00	0.00	0.00	1.00	---	---
26	10.00	5.00	6.00	169.00	5.00	2.00	35.00	52.00	22.00	3.00	---	---
27	1.00	3.00	20.00	77.00	1.00	16.00	1.00	1.00	1.00	34.00	---	---
28	30.00	23.00	2.00	0.00	1.00	11.00	7.00	6.00	0.00	44.00	---	---
29	19.00	---	42.00	0.00	5.00	22.00	1.00	81.00	4.00	6.00	---	---
30	3.00	---	0.00	66.00	1.00	54.00	20.00	24.00	43.00	6.00	---	---
31	8.00	---	0.00	---	95.00	---	0.00	0.00	---	6.00	---	---
TOTAL	437.00	224.00	317.00	805.00	468.00	118.00	749.00	611.00	379.00	409.00	---	---
MEAN	14.10	8.00	10.23	26.83	15.10	3.93	24.16	19.71	12.63	13.19	---	---
MAX	171.00	42.00	66.00	169.00	123.00	54.00	128.00	81.00	92.00	136.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---